

IN THE CLAIMS:

The present status of the claims is as follows:

1-55. (Cancelled)

56. (Previously Presented) An electric power meter, comprising:

a digital sampler for digitally sampling voltage and current;

a memory for storing said digitally sampled voltage and current;

at least one processor for performing power calculations on said digitally sampled voltage and current, and converting said calculations and said digitally sampled voltage and current into at least one network protocol, said at least one processor being configured to simultaneously execute a plurality of different tasks related to said stored voltage and current in response to a plurality of concurrent requests related to results of said different tasks and submitted by multiple users;

a network interface for interfacing with an external network;

an external device interface for connecting an external device to said electric power meter; and

further wherein said network protocol is one of e-mail, File Transfer Protocol (FTP), Hypertext Transfer Protocol (HTTP) or Dynamic Host Configuration Protocol (DHCP).

57. (Previously Presented) An electric power meter, comprising:

a digital sampler for digitally sampling voltage and current;

a memory for storing said digitally sampled voltage and current;

at least one processor for performing power calculations on said digitally sampled voltage and current, and converting said calculations and said digitally sampled voltage and current into at least one network protocol, said at least one processor being configured to simultaneously execute a plurality of different tasks related to said stored voltage and current in response to a plurality of concurrent requests related to results of said different tasks and submitted by multiple users;

a network interface for interfacing with an external network;

an external device interface for connecting an external device to said electric power

meter; and

further wherein a web server provides data to the network interface in Hypertext Markup Language (HTML) or Extensible Markup Language (XML) format.

58. (Previously Presented) An electric power meter having a digital sampler for sampling a voltage and a current at a sampling point, comprising:

a processor coupled to said digital sampler and configured to execute a plurality of different tasks related to said sampled voltage and current and running independently from one another in response to a plurality of concurrent requests submitted by multiple users;

a memory coupled to said processor for storing network protocol conversion algorithms;

a network interface configured to simultaneously provide said multiple users each with a result of a respective one of said plurality of different tasks; and

an external device interface for connecting an external device to said electric power meter;

wherein said processor performs at least one power calculation and converts at least one of the sampled voltage, the sampled current and the power calculation to at least one network protocol using one of said network protocol conversion algorithms, said at least one network protocol being provided through said network interface;

wherein said processor is operative to email alarms in response to meeting predefined conditions; and

further wherein said network protocol is one of e-mail, File Transfer Protocol (FTP), Hypertext Transfer Protocol (HTTP) or Dynamic Host Configuration Protocol (DHCP).

59. (Previously Presented) An electric power meter having a digital sampler for sampling a voltage and a current at a sampling point, comprising:

a processor coupled to said digital sampler and configured to execute a plurality of different tasks related to said sampled voltage and current and running independently from one another in response to a plurality of concurrent requests submitted by multiple users;

a memory coupled to said processor for storing network protocol conversion

algorithms;

a network interface configured to simultaneously provide said multiple users each with a result of a respective one of said plurality of different tasks; and

an external device interface for connecting an external device to said electric power meter;

wherein said processor performs at least one power calculation and converts at least one of the sampled voltage, the sampled current and the power calculation to at least one network protocol using one of said network protocol conversion algorithms, said at least one network protocol being provided through said network interface;

wherein said processor is operative to email alarms in response to meeting predefined conditions; and

further wherein a web server provides data to the network interface in Hypertext Markup Language (HTML) or Extensible Markup Language (XML) format.